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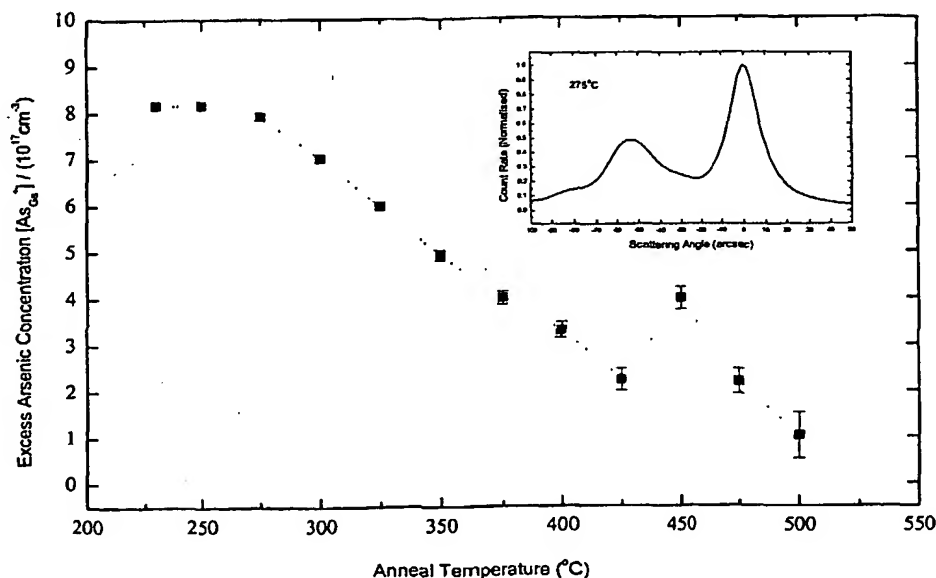
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(54) Title: **METHOD OF ENHANCING THE PHOTOCONDUCTIVE PROPERTIES OF A SEMICONDUCTOR AND METHOD OF PRODUCING A SEMICONDUCTOR WITH ENHANCED PHOTOCONDUCTIVE PROPERTIES**



(57) Abstract: A semiconductor material with photoconductive properties and a method of the semiconductor, wherein a base material is grown and then annealed post-growth at a temperature of 475 °C or less. It has been found that by annealing at temperatures of 475 °C, or less the carrier lifetime of the material and the resistivity can be optimised so as to obtain semiconductor with useful photoconductive properties.



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